

ABSTRACT

Provided is a catalyst composition for the isomerization of n-paraffin which comprises a β -zeolite having been synthesized according to a dry gel process and
5 contains cerium, the β -zeolite being characterized in that it has an average particle diameter of 0.01~0.1 μm and the proportion of the cerium in the β -zeolite is within the range of 0.001~0.2 in terms of the atomic ratio of the silicon atom in the β -zeolite to the cerium atom, i.e. $[\text{Ce}] / [\text{Si}]$ as well as a process for isomerizing n-paraffin which comprises bringing n-paraffin into contact with the catalyst composition as set forth
10 above.

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